

**APPENDIX 1: Clean Copy of the Claims (after entry of amendments)**

1. A magnetic recording head, comprising:
  - a magnetoresistive layer having a first end and a second end;
  - a soft adjacent magnetic transverse bias layer (SAL) having a first end and a second end;
  - an insulating layer arranged between said magnetoresistive layer and said SAL;
  - and
  - a conductive layer electrically contacting said first end of said magnetoresistive layer and said first end of said SAL; and
  - an insulator contact electrically isolating said second end of said SAL from said second end of said magnetoresistive layer.
2. (canceled)
3. (canceled)
4. The magnetic recording head of claim 1, wherein thickness of said magnetoresistive layer is more than 50 Å and less than 400 Å.
5. The magnetic recording head of claim 1, wherein thickness of said SAL is less than 500 Å, and the moment ratio of said SAL to said magnetoresistive layer ranges from 0.6 to 1.0.
6. (canceled)
7. (canceled)
8. The magnetic recording head of claim 1, wherein said insulating layer ranges from 50 Å to 200 Å in thickness.
9. The magnetic recording head of claim 8, wherein said insulating layer is formed of Al<sub>2</sub>O<sub>3</sub>.
10. (canceled)